1:5 HDD/SSD Duplicator PRO

Model: HDSI5TDRHS, HDUSI5TDR

INTRODUCTION

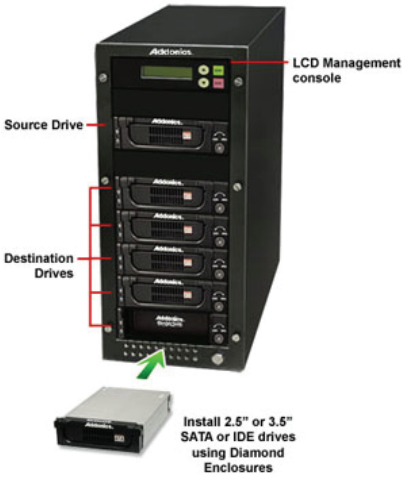
About the 1:5 HDD Duplicator Series

The latest Addonics 1:5 HDD (Hard Disk Drive) Duplicator can copy as many as 5 target drives from a single source, making this the ideal solution for production or data distribution applications. Addonics 1:5 HDD duplicator operates totally as a stand alone. There is no computer needed or complex software to operate. Set up is accessed via a LCM control panel on the front of the unit. Once configured, simply insert up to 5 hard drives of equal or larger capacity than the master drive into the duplicator, load the master hard drive, lock the drive door and push the start button to start the copying process.

About This Model:

The PRO model allows you to duplicate any 3.5" or 2.5" SATA or IDE hard drive to eleven 3.5" or 2.5" SATA or IDE hard drives in any combination. Any 2.5" or 3.5" hard drives or SSDs can be placed inside the easily removable drive enclosures to be used as a source or target drive. With additional optional IDE drive enclosures, practically any hard drives or SDDs with a IDE or SATA interface in 2.5" or 3.5" form factors can all be mixed into the eleven target drive bays to be duplicated at one time. By adding an optional Diamond Cipher drive enclosure, one can easily make backup copies of sensitive data with bullet proof AES-256 bit encryption. The Diamond Cipher Drive enclosure can also be used as a sanitizing tool to turn any used hard drives into brand new drives with no traces of any previous data. The PRO model is the ideal duplicator for organizations with a wide variety of hard drives and needs to migrate OS or data into different storage media, to upgrade systems with same hard drive image or to wipe clean data from used hard drives.

There is also choice of a High Speed model that maintains a steady high performance duplication from one to five drives.



Feature highlight:

- Copy from 1 to 5 2.5"/3.5" SATA or IDE hard drives
- Source drive and target drive can be SATA or IDE, 2.5" or 3.5" in any mix.
- Six SATA drive enclosures and one IDE drive enclosure are included. The drive enclosure can be used as a source or a target drive.
- Addition IDE drive trays are required in order to copy more than one IDE hard drive
- Drive is added and removed from the source or target bay via either a SATA or IDE drive enclosure
- Drive can be mounted into drive enclosure without any special tool

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Supported drive copying options

Copying options		HDUSI5TDR HDSI5TDRHS	HDUS5SNDX HD5SNDXHS	HDUS5325DX
From source	**To target** (up to 5)			
3.5 SATA HDD	3.5" SATA HDD	Yes	Yes	Yes
3.5 SATA HDD	3.5" IDE HDD	Yes	NA	NA
3.5 SATA HDD	2.5" SATA HDD/SSD	Yes	Yes (see note 4 below)	Yes (see note 4 below)
3.5 SATA HDD	2.5" IDE HDD/SSD	Yes	NA	NA
3.5" IDE HDD	3.5" SATA HDD	Yes	NA	NA
3.5" IDE HDD	3.5" IDE HDD	option (see note 1 below)	NA	NA
3.5" IDE HDD	2.5" SATA HDD/SSD	Yes	NA	NA
3.5" IDE HDD	2.5" IDE HDD/SSD	option (see note 1 below)	NA	NA
2.5" SATA HDD/SSD	3.5" SATA HDD	Yes	option (see note 4 below)	option (see note 4 below)
2.5" SATA HDD/SSD	3.5" IDE HDD	Yes	NA	NA
2.5" SATA HDD/SSD	2.5" SATA HDD/SSD	Yes	Yes	Yes
2.5" SATA HDD/SSD	2.5" IDE HDD/SSD	Yes	NA	NA
2.5" IDE HDD/SSD	3.5" SATA HDD	Yes	NA	NA
2.5" IDE HDD/SSD	3.5" IDE HDD	option (see note 1 below)	NA	NA
2.5" IDE HDD/SSD	2.5" SATA HDD/SSD	Yes	NA	NA
2.5" IDE HDD/SSD	2.5" IDE HDD/SSD	option (see note 1 and 2 below)	NA	NA
3.5" SATA HDD	3.5" SATA HDD with AES 256-bit hardware encryption	option (see note 3 below)	NA	NA
3.5" IDE HDD	3.5" SATA HDD with AES 256-bit hardware encryption	option (see note 3 below)	NA	NA
3.5" SATA HDD	2.5" SATA HDD/SSD with AES 256-bit hardware encryption	option (see note 3 below)	NA	NA
3.5" IDE HDD	2.5" SATA HDD/SSD with AES 256-bit hardware encryption	option (see note 3 below)	NA	NA
3.5" SATA HDD with AES 256-bit hardware encryption	3.5" SATA HDD	option (see note 3 below)	NA	NA
3.5" SATA HDD with AES 256-bit hardware encryption	3.5" IDE HDD	option (see note 3 below)	NA	NA
3.5" SATA HDD with AES 256-bit encryption	2.5" SATA HDD/SSD	option (see note 3 below)	NA	NA
3.5" SATA HDD with AES 256-bit hardware encryption	2.5" IDE HDD/SSD	option (see note 3 below)	NA	NA
2.5" SATA HDD/SDD with AES 256-bit hardware encryption	2.5" SATA HDD/SSD	option (see note 3 below)	NA	NA
2.5" SATA HDD/SDD with AES 256-bit hardware encryption	2.5" IDE HDD/SSD	option (see note 3 below)	NA	NA
Mounting methods for the source and target drive		**HDUSI5TDX**	**HDUS5SNDX**	**HDUS5325DX**
insert directly into drive bay via Snap-in Mobile Rack		NA	Yes	Yes
via removable drive enclosure		Yes	NA	NA
drive sanitization		option (see note 3 below)	NA	NA
weight		27.3 lb (12.4 kg)	17.2 lb (8.8 Kg)	25.6 lb (11.6 kg)
Dimension		7.5 x 16.7 x 17.2 inch (190.5 x 424.18 x 436.9 mm)	7.5 x 16 x 10.4 inch (190 x 406 x 264 mm)	7.5 x 16.7 x 17.2 inch (190.5 x 424.18 x 436.9 mm)

Note:

1. requires additional Diamond IDE drive enclosure (model: DISCSB) for each target drive
2. requires 2.5" to 3.5" IDE connector converter (AA25IDE35) for each target drive
3. requires additional Diamond Cipher SATA drive enclosure (model: DCSACS256) in conjunction with your encryption key for each source or target drive. Please check the detail of the Diamond Cipher product at Diamond Cipher overview page if you are not familiar with this option. Data copied to a target drive inside the Diamond Cipher enclosure will be encrypted with AES 256-bit security. Data in the drive will not be accessible when remove from the drive enclosure. You can only access the encrypted data. When Diamond Cipher enclosure is used as source, only hard drive that has been encrypted with the Addonics AES 256-bit encryption should be used. If an non-encrypted hard drive is placed inside the Diamond Cipher drive enclosure and use as a source drive, no data will be copied as the drive will appear as a blank drive to the duplicator.
4. requires 1 additional Snap-In 25 (model: AE25SN35SA) unit for each target drive

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FEATURES

- Copy or duplicate up to 5 drives at one time
- Great for cloning hard drives, making back up hard drives, system upgrade, data distribution or making an extra copy of a hard drive from a RAID set
- Supports duplicating from SATA to IDE or from IDE to SATA hard drive in either 3.5" or 2.5" form factor
- Choice of High Performance model
- Typical copying speed:

Copying Speed			
model	1 drive	3 drive	4 drives and more
HDUSI5TDR	~ 105 MB/sec	~ 70 MB/sec	~ 50 MB/sec
HDSI5TDRHS	~ 105 MB/sec	~87 MB/sec	~87 MB/sec

- No tool is required for mounting the drive into the duplicator: drive slides into a drive enclosure which is then inserted into or removed from the drive bay
- Support any type of file format, including a drive from a RAID volume
- Maximum drive size >3TB
- Drive sanitization:
    - SECURE ERASE - HDD duplicator sends a WIPE command to the hard drive. This command fills 00 string to entire HDD
    - OVERWRITE - One pass, 3 passes and 7 passes 5220.22-M. The duplicator writes a string of pattern over the entire disk one time, three times or seven times.5220.22-M is the DoD standard for drive saniti zation
- Optional Diamond Cipherdrive enclosure (model: DCSACS256) for :
    - Copying data directly onto an AES-256 bit encrypted hard drive for data security
    - As a tool to sanitize used hard drives2
- LCM control module provides a rich set of robust advanced configuration options (click Full LCD console feature list to see a complete list of this duplicator functions)
- Operate as a stand alone appliance. No computer or software needed

Note:

1. The speed here is for reference only. The speed were measured basing on using 3.5" SATA III 250 GB hard drive for both source and target. The transfer rate varies depending on the speed of the source and destination drive
2. Drive Sanitization using encryption (limited to SATA hard drive only)
   The Diamond Cipher drive enclosure can also be used as a drive sanitization equipment for wiping clean of all previous data on an used hard when used in conjunction with any Addonics Duplicator PRO model:

1. install the hard drive to be sanitized into the Diamond Cipher drive enclosure.
2. Insert the Diamond Cipher drive enclosure into one of the Diamond target bays
3. Start the copying process using a blank source drive of equal size in capacity as the target drive. Data from the source drive is then written onto the hard drive in the Diamond Cipher drive enclosure with AES-256 bit encryption.
4. Now remove the drive from the Diamond Cipher enclosure. The drive will appear as brand new drive when installed into any computer with no trace of any data. The drive will have to be initialized, partitioned and formatted.

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SPECIFICATIONS

- Writing mode : Sector to Sector
- Typical copying speed:

Copying Speed			
model	1 drive	3 drive	4 drives and more
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HDSI5TDRHS	~ 105 MB/sec	~87 MB/sec	~87 MB/sec

- Sturdy metal frame construction
- Removable drive enclosures for quick insertion and removal of hard drives.
- LCD display with functional control panel
- Well ventilated for efficient air flow.
- Low noise high CFM ball bearing cooling fan
- Integrated 400W 110/240 auto-sense power supply
- Dimensions (W x D x H): 7.5 x 16.7 x 17.2 inch (190.5 x 424.18 x 436.9 mm)
- Weight: 27.3 lb (12.4 kg)
- Operating temperature and humidity: 0 - 60 degree C, 15% - 90% RH
- Storage temperature and humidity: (- 20) - (65) degree C, 0% - 95% RH non-condensing

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